Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/12/2017 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124628	-1	1.53	124561	1.50
Blue	F	SSC	125000	124217	-1	2.64	124648	2.43
Blue	E	FITC	23615	22800	-4	2.57	1011	10.44
Blue	D	PE	26739	26406	-2	2.13	947	9.87
Blue	B	PerCP-Cy5-5	48339	47540	-2	3.48	1370	17.28
Blue	A	PE-Cy7	45021	45155	0	5.17	698	35.92
Red	C	APC	53064	52230	-2	2.77	3033	9.49
Red	A	APC-Cy7	57175	56779	-1	2.74	1175	11.36
Violet	B	V450	14728	14132	-5	4.86	678	9.48
Violet	A	V500	58621	56856	-4	4.76	2505	6.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19670	2.67	607	-7	N/A	N/A	Pass
Blue	F	SSC	61271	1.70	546	0	N/A	N/A	Pass
Blue	E	FITC	114	40.12	544	-4	0.0204	200	Pass
Blue	D	PE	208	29.65	535	-1	0.1637	271	Pass
Blue	B	PerCP-Cy5-5	213	45.69	634	-1	0.0096	79	Pass
Blue	A	PE-Cy7	74	124.22	694	1	0.0117	19	Pass
Red	C	APC	351	27.09	595	-2	0.0198	15	Pass
Red	A	APC-Cy7	128	41.78	580	0	0.0054	1791	Pass
Violet	B	V450	83	42.83	463	-7	0.0460	2021	Pass
Violet	A	V500	184	23.72	490	-7	0.0157	874	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.71	-31.19	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	17.83	14.40 - 21.60	N/A	N/A	30.90	31.49	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11664

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments